

ORDER No. P. W. 109-111—E, DATED 9TH JULY 1925.

The question of arranging the incremental grades of Executive Engineers and raising the maximum of the Assistant Engineers so as to be in keeping with the scales of officers of similar status in other Departments was under consideration of Government for some time past.

2. After a careful consideration of the notes on the subject by the Chief Engineer and the Secretary, Public Works Department, read above, Government are pleased to order that the revision of the Cadre of the Public Works Department be effected as follows:—

Eleven Executive Engineers on the existing scale of pay of Rs. 500 to Rs. 850, the rate of increment being however raised to Rs. 35 annually;

Forty Assistant Engineers, as against 41, on Rs. 200/2—350-25-450, the present maximum being raised by Rs. 50 ;

Eleven Sub-Engineers, as against 13, on the present scale of pay;

Twenty-five Overseers, as against 30, on the present scale.

3. The scale of pay as now revised will result in a saving of above Rs. 1,000 per annum.

4. The above reduction of one Assistant Engineer, two Sub-Engineers and five Overseers, will not affect the permanent officers in service as many vacancies are reported to have not been filled up, except in the case of one Assistant Engineer. The Chief Engineer is requested to submit an allocation statement with proposals for completing the new Cadre of P. W. D. Officers with the number now sanctioned.

K. R. SESHACHAR,
Secretary to Government,
Public Works Department.

VII Installation Project

READ—

Letter No. C. 640, dated the 2nd December 1924, from the Chief Electrical Engineer submitting reports and estimates, the latter amounting to approximately Rs. 87 lakhs for generating an additional 14,000 H. P. at Sivasamudram and a 10,000 H. P. at Krishnarajasagara to meet the growing demands for power in the State.

2. Correspondence ending with Note No. E. D. S. 650, dated the 23rd December 1924 by the Public Works Secretary on the subject.

ORDER No. E. D. S. 250-255, DATED 21ST JULY 1925.

The total power that is now being generated at Sivasamudram is about 32,000 H. P. and the whole of this power has been already taken up, the maximum load on the Generating Station on 27th November 1924, having been 32,113 H. P.

The immediate demands for additional power aggregate to about 10,264 H. P. of which the obligated load comes to 4,012 H. P. and power applied for but not obligated comes to about 6,252 H. P.

2. To the above must be added the normal growth for the demand in the several sections for small industries, lights, fans and other domestic purposes during the next three years. A conservative demand under these heads is estimated at 2,570 H. P. by the Chief Electrical Engineer.

The total demand to be provided for during the next three years works out to $4,012 + 6,252 + 2,570 = 12,834$ H. P. say.

3. After investigating various schemes for generating the additional power required, Government found that the water stored in Krishnarajasagara, which is now raised to 106 could for 20 to 25 years be used for the generation of an additional 14,000 H. P. at Sivasamudram, i.e., until the completion of the High Level Canals and the irrigation thereunder fully developed.

4. Proposals were accordingly called for to utilise the additional supplies that could be made available from Krishnarajasagara, for some time to come and the Chief Electrical Engineer has submitted the VII Installation proposals and estimates amounting to Rs. 87 lakhs nearly, providing for the generation of 14,000 H. P. at Sivasamudram and 10,000 H. P. at Krishnarajasagara Dam site, together with the necessary Transmission Line, Remodelling and extensions to the Receiving Stations and Distribution Systems in Kolar, Gold Fields, Bangalore and Mysore Cities.

5. After a careful consideration of the matter, Government consider that it is not advisable to take up power generation at Krishnarajasagara till the surveys and investigation for the additional 110,000 acres of irrigation are completed and the irrigation policy and programme are definitely sanctioned. Accordingly, they are pleased to sanction the VII Installation project for the development at the Sivasamudram Generating Station and for the subsidiary works to transmit and distribute the additional 14,000 H. P. on Kolar Gold Fields and at Bangalore and Mysore at a total approximate cost of Rs. 15½ lakhs postponing the development of the Krishnarajasagara Station for the present. Separate orders will issue in regard to the Re-construction of the Mysore Transformer Station.

6. The Chief Electrical Engineer is requested to submit without delay the detailed estimates for the generation of 14,000 H. P. and connected works as also a complete specification of plant and machinery for sanction of Government and to enable arrangements being made for the purchase of the machinery through the Stores Purchase Committee.

7. The estimates and proposals have been subjected to examination and scrutiny by Sir Alfred Dickinson who was engaged as outside Technical Expert and have been declared by him to be sound and satisfactory. The Chief Electrical Engineer will devote his attention to the suggestions given by the Technical Expert on several matters of detail. The project was also placed before the Standing Committee for Finance and Taxation and has been approved of by them.

8. As regards the financial aspects of the Scheme sanctioned it is expected that the first unit of the VII Installation will be put into service 18 months after first starting the work and the whole work will be completed in 36 months yielding an additional revenue of Rs. 5½ lakhs per annum in 18 months and Rs. 18.5 lakhs per annum in 36 months, representing 40 per cent of the total cost. When all extra power is taken up, the revenue will be about Rs. 20 lakhs per annum or about 43 per cent of the total cost.

9. The expenditure in the current year should be limited under a well-defined programme to 20 lakhs, the sanctioned grant in the Capital Budget of the current year.

K. R. SUBRAMANIAM,

*Secretary to Government,
Public Works Department.*